



**State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES**

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



February 15, 2001

**Letter of Deficiency
DAM #079.16**

Mr. George Carlson
587 Route 3A
Bow, NH 03304

Mr. William Abbott
23 West Range Road
Epsom, NH 03224

RE: Sherburne Stream Dam, Epsom

Dear Mr. Carlson and Mr. Abbott:

The Department of Environmental Services (DES), Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 31, 2000. During this visual inspection and/or file review, the following deficiencies were observed:

- There is tall grass on the left and right sides of the upstream and downstream embankments preventing proper inspection of the structure;
2. There is grass vegetation growing up through the riprap which could inhibit discharge;
3. There is a crack in the concrete cap located approximately 10 feet to the left of the riprap spillway section; and
4. There is no operational procedure plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

June 1, 2001:

- Mow the grass located on the right and left upstream and downstream embankments;
2. Eradicate the vegetative growth in all rip rapped overflow sections;
3. Repair the cracked concrete cap located approximately 10 feet to the left of the spillway section; and
4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. (see attached guidelines).

Letter of Deficiency
Dam #079.16
February 15, 2001
Pg. 2

In accordance with the dam safety program, the DES will be conducting a detailed hydrologic/hydraulic analysis of the watershed and dam this winter. The 50 year event will be used to evaluate overtopping potential. Additional requirements may result from that analysis.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Jeff M. Blaney
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Epsom

Certified # 7099 3400 2000 9772 9523 + 9554

JMB/was/h:/safety/wendy/lod/079-16lod.doc